



Linx VisiCode®

Higher quality laser coding onto glass

Linx VisiCode is a unique set of parameters available in the Linx range of laser coders (CSL10, CSL30, CSL60) which produces highly visible markings on cold glass, even at the highest line speeds.

How does a laser code?

Linx CO₂ scribing laser coders produce a code on glass by firing the laser continuously. Two galvanometer-driven mirrors in the laser head tilt to move the laser beam over the surface of the glass to draw the code.

The laser beam induces thermal stress in glass, causing micro-cracks in the surface which produce a contrasting mark.

Glass is particularly hard to mark, so the 'dwell time' or time that the laser beam is directed to the surface of the glass, may be longer than on other materials that are easier to mark, such as card. This can use more laser power.

How does VisiCode produce a code?

VisiCode is a special set of parameters that modulates the laser to an adjusted pulse frequency, instead of a continuous wave. Each laser pulse produces micro cracks in the surface of the glass substrate. These cracks produce a slightly opaque dot with a higher contrast to the surrounding transparent glass. The code is more visible and of higher quality than one produced without the VisiCode feature. The integrity of the glass packaging is unaffected.

Benefits of VisiCode

- More visible code – improve your brand protection and minimise product waste
- High line speeds possible – ideal for high speed bottling lines
- Easy to implement with the help of a preinstalled template on the Linx CSL60
- Available with the Linx CSL range of laser coders – reliable, easy to integrate, and designed to suit a wide range of coding applications.

